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In the effort to withdraw it, the tube was detached from the bottle. As the rod had been rendered smooth and cylindrical by the wire-drawing process, it could not have been thus held, upon any other view than that of its being soldered to the potassium.

The iron casing, used to protect the bottle, had been exposed to the fire during three processes; yet, excepting at the lower corner, it did not appear to be injured. With slight emendation, and with the protection of a stout disk of malleable iron, situate so as to form a basis, Dr. Hare had no doubt it might be used for several more operations.

In distilling the potassium from the tube, "per descensum," as described in his account of the process already referred to, the cap converging to a tapering tube was screwed on to that end of the receiver which was nearest the bottle; and, of course, this end was the lowermost in the distillatory process. This arrangement was preferable, as it prevented the loose deposition always found at the end of the tube farthest from the fire, from falling into the naphtha employed together with the potassium.

Dr. Hare hoped to lay before the Society a drawing of his apparatus, under the impression that it would be deemed worthy of being published among the Transactions of the Society.

The purchase of the Reports on Prisons, printed by order of the House of Commons of Great Britain, was directed by the Society.

Stated Meeting, January 17.

Present, thirty-three members.

MR. DU PONCEAU, President, in the Chair.

The following donations were received.

FOR THE LIBRARY.

A History of the Heathen Mythology; or the Fables of the Ancients, elucidated from Historical Records, an Important Key to the Classics. To which is added, an Inquiry into the Religion of the first Inhabitants of Great Britain, and a particular Account of the

- Ancient Druids. Translated from the French of M. l'Abbé de Tressan. By H. North. 2d Edition, embellished with 75 engravings. London, 1806.—*From Mr. Vaughan.*
- The Life of John Jay, with Selections from his Correspondence, and Miscellaneous Papers. By his Son, William Jay. Two Vols. 8vo. New York, 1833.—*From the same.*
- Vies des Peintres, Sculpteurs et Architectes les plus célèbres, par G. Vasari, Peintre et Architecte Arétin; traduites de l'Italien, avec des notes, particulièrement celles de Bottari, et les portraits de chaque artiste, gravés à l'eau forte par G. Boichot, correspond. de l'Institut National. Three Vols. 8vo. Paris, 1803.—*From the same.*
- Scriptores Rerum Mythicarum Latini tres Romæ nuper reperti. Ad fidem Codicum MSS. Guelferbytanorum Gottingensis, Gothani et Parisiensis integriores edidit ac Scholiis illustravit Dr. Georgius Henricus Bode, ordinis Philos. Gotting. Assessor Societatis Litterar. quæ Cantabrigiæ Americanorum floret Socius. Two Vols. Cellis, 1834.—*From Mr. Du Ponceau.*
- Observations on the Sugar Beet and its Cultivation. Philadelphia, 1840.—*From Mr. James Ronaldson.*
- Annuaire Magnétique et Météorologique du Corps des Ingénieurs des Mines de Russie ou Recueil d'Observations Magnétiques et Météorologiques faites dans l'étendue de l'empire de Russie et publiées par ordre de S. M. l'Empereur Nicolas I., et sous les auspices de M. le Comte Cancrine, Ministre des Finances, par A. T. Kupffer, membre de l'Académie des Sciences de St. Pétersbourg. Année, 1837. 4to. St. Pétersbourg, 1839.—*From the Imperial Academy of Sciences of St. Petersburg.*
- Catalogue of Columbia College in the City of New York; embracing the Names of its Trustees, Officers, and Graduates; together with a List of all Academical Honours conferred by the Institution, from A. D. 1758 to A. D. 1826, inclusive. New York, 1826.—*From Mr. Du Ponceau.*
- Circular Letter addressed to the Trustees of the University of Pennsylvania, by the Professor of Botany, (Dr. W. P. C. Barton,) on the introduction of that Branch into the Curriculum of Study for a Medical Degree. Philadelphia, 1825.—*From the same.*
- Sundry recent English Catalogues of Books.—*From Mr. E. D. Ingraham.*

Prof. Bache read extracts from a letter from Major Sabine, of England, describing the progress of measures for contemporaneous magnetic and meteorological observations for the next three years, urging a concert of observations in the United States, and stating that a magnetic survey of the British dominions north of the United States would be made, and suggesting a similar survey of the United States. Prof. Bache remarked, that steps had been taken some months since, by several gentlemen who have heretofore been engaged in magnetic researches, to procure such a survey, the result of which, however, was yet uncertain.

A circular relating to the term observations, proposed by the Royal Society, was also read.

Mr. John Vaughan was re-elected Librarian.

The following standing committees were appointed for the year.

Of Finance.—Mr. C. C. Biddle, Mr. George Ord, and Dr. R. M. Patterson.

Of Publication.—Mr. Lea, Dr. Hays, and Mr. J. F. Fisher.

On the Hall.—Mr. Strickland, Mr. Kane, Mr. Vaughan.

On the Library.—Mr. Ord, Dr. Hays, Mr. Geo. Campbell.

Agreeably to a provision of the by-laws, the list of surviving members of the Society was read. The number is 316; 216 of whom are residents of the United States, and 100 in foreign countries.

The following gentlemen were elected members of the Society:—

JUDAH DOBSON, of Philadelphia.

JOHN FORBES, M. D. F. R. S. of Chichester, England.

MICHAEL FARADAY, D. C. L. F. R. S. of London.

Rev. C. R. DEMME', D. D. of Philadelphia.

JOHN J. VANDERKEMP, of Philadelphia.

REV. PHILIP MILLEDOLER, D. D. of New Jersey.

DON PEDRO DE ANGELIS, of Buenos Ayres.

ISAAC WAYNE, of Pennsylvania.

SAMUEL D. INGHAM, of Pennsylvania.

GEORGE M. DALLAS, of Philadelphia.

MARTIN BOYE, of Philadelphia.